

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) ~~Process~~ A process for the production of a casing (1) with protective bellows (2, 2A) for a transmission device, such as a transmission joint, comprising at least two shafts movable at least one of axially and angularly relative to each other, this casing (1) with bellows (2, 2A), of which at least a portion of the bellows (2) is radial, having at each open end a section (3A, 3B) for securement to the transmission device, the method comprising:

~~characterized in that the process consists in molding the casing (1) with bellows (2, 2A), with injecting a thermoplastic or thermoplastic elastomer into a hollow mold (5) formed by two half shells or a greater number of elements adapted to be brought together to delimit a closed cavity and at least one core (4), each mold (5) having at least one complementary helicoidal screw thread delimiting the molding space, and in demolding the formed casing (1) by relative unscrewing of the casing (1) after opening the hollow mold and the core (4) so as to obtain a single-piece casing,~~

wherein the largest cross-section of the core or cores (4) is arranged have a diameter less than or equal to the passage section of the securement section (3A) of largest dimension of the casing (1) with bellows (2, 2A), and the core or cores (4) and the body of the mold (5) have a truncated conical shape.

2-4. (cancelled)

5. (currently amended) Process—The process for the production of a casing (1) with protective bellows (2, 2A) according to claim 1,

wherein characterized in that the casing (1) is molded with at least two cores (4) each having a helicoidal screw thread of different pitch, preferably increasing in the direction of the portion of the core adapted to extend to adjacent the securement section (3A) of largest size of the casing (1).

6. (currently amended) A casing Casing (1) with protective bellows (2, 2A) of a transmission device, ~~such as a transmission joint, comprising at least two shafts movable at least one of axially and angularly relative to each other, this casing with bellows, of which at least one portion of the bellows is radial, having at each open end a section (3A, 3B) for securement to the transmission device,~~ said casing (1) being obtained particularly by the practice of the process according to claim 1,

wherein characterized in that said casing is in the form of a single-piece body free from an internal axial joint plane, at least one portion of the bellows (2) being of helicoidal arrangement, ~~the-a~~ securement section (3A) of largest size having a passage section greater than or equal to the diameter delimited by the summit of the largest bellows,

the bellows (2) are of progressive diameter inscribed within a truncated cone, and

the casing comprises at least one region adapted to either to absorb a mechanical couple during unscrewing or permit a blocking in rotation,

wherein the casing (1) comprises axial bellows (2A)
and radial bellows (2),

wherein said transmission device is a transmission joint, comprising at least two shafts movable at least one of axially and angularly relative to each other, this casing with bellows, of which at least one portion of the bellows is radial, having at each open end the section (3A, 3B) for securement to the transmission device.

7. (currently amended) The casing ~~Easing~~ (1) with bellows (2, 2A) for protecting a transmission device according to claim 6,

wherein characterized in that the radial bellows (2) are constituted by single or multiple spiral passages.

8. (cancelled)

9. (cancelled)

10. (currently amended) The casing ~~Easing~~ (1) with bellows (2, 2A) for the protection of a transmission device according to claim 6,

~~characterized in that~~wherein the tubular body of the casing is delimited over at least a portion of its length by an undulant or folded wall, each fold corresponding to a bellows, the folds describing a helix of constant or variable pitch, preferably increasing in the direction of the securement section (3A) of largest size of the casing.

11. (cancelled)

12. (currently amended) The casing (1) with bellows (2, 2A) for the protection of a transmission device according to claim 6,

wherein ~~characterized in that~~ each securement section (3A, 3B) of the casing (1) is constituted by at least two bi-injected materials.

13. (new) The casing (1) with bellows (2, 2A) for the protection of a transmission device according to claim 6, wherein the casing (1) comprises diametrically opposite ears disposed on the external periphery of said casing.